



Approved For Release 2005/04/22 : CIA-RDP85B00803R000100080010-5

Satellite Tracking Stations

STAT

[Redacted]

For monitoring only, no command capability.

25X1  
NRO

COR-7056-69 (COR. TECH. INFO. VOL. I - OSPA FACTS BOOK)  
Requirements from COMIREX to SOC

[Redacted]

NRO review(s) completed.

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(From COR-7056-69 - OSP CORONA Black Book)

DISIC - Dual Improved Stellar Index Camera

Purpose: to provide exposed film for use in precision geodetics and cartography, and also for use in conjunction with main J-3 cameras to aid in establishing vehicle attitude and precise location of reconnaissance points of interest.

It added 104 pounds to the system. 11.3 pounds of DISIC film were recovered along with the 80 pounds of pan film.

SRV separation weight - 414 pounds maximum  
SRV re-entry - 323 pounds maximum

Rate of descent 28.5 ft per second maximum  
Recovery at 15,000 ft altitude, max and 135 knots air speed, max.  
~~MMH~~

J-3 SYSTEM - receives its power from the Agena vehicle and its command signals from the LMSC control package via the vehicle interface harness which interfaces with the J-3's main electronics box.

Satellite vehicle is composed of: Payload Vehicle  
Agena D

Fired by Thorad Booster

Total height of launch vehicle 89 feet high (J-3)

Ascent function of Agena is to provide thrust to attain injection of satellite vehicle and payload into specified orbit, maintain attitude control and response to steering commands, provide means of relaying radio guidance commands to State I booster, and provide telemetry data re vehicle performance and equipment status during ascent.

Computer Programs/OSP/relating to satellite operations:

CALICO: to determine camera operations and display opns info.

CACTUS: to list target locations for photointerpreting

COMET: to determine orbit selections.

CORONA: CORONA Target Program (CTP) orbit by orbit  
camera operation selection based on WX forecast  
and displays of operation information and  
accomplishments.

LETHAL Automatic command and control of satellite.

Improvement in Itek Petzval lenses was made by improvement in materials, Itek computer work, improved fabrication and test techniques, with company's increased experience.